

AMENDMENTS TO THE CLAIMS

Please amend the claims as indicated below. All claims are listed below, with amended claims so marked. This listing of claims will replace all prior versions, and listings, of claims in the application:

1-2. (Canceled)

3. (Currently amended) ~~The~~ A computer-implemented method of claim 2
~~comprising, wherein isolating the debug node from the messaging service of the~~
~~instance of application servers further comprises:~~

starting a debug node from a remote node, wherein the debug node is one of
a plurality of nodes within an instance of application servers;

isolating the debug node from a messaging service of the instance of
application servers comprising:

removing the debug node from a broadcast destination list of the instance;

instructing the debug node to transition to a debugging state; and

accessing a debug port of the debug node to start a debugging

session[.];

isolating the debug node from a load-balancing mechanism of the instance of
application servers;

debugging an application on the debug node from the remote node; and

stopping the debug node from the remote node.

4. (Original) The method of claim 3, wherein the accessed debug port is a Transmission Control Protocol (TCP) port of the debug node.
5. (Original) The method of claim 3, wherein debugging the application on the debug node from the remote node comprises debugging a Web application.
6. (Original) The method of claim 5, wherein debugging the Web application comprises:
 - starting a Web browser on the remote node to interact with the Web application;
 - and
 - receiving a debug notification from the debug port of the debug node.
7. (Original) The method of claim 6, wherein stopping the debug node from the remote node comprises:
 - ending the debugging session; and
 - disabling the debug node from the remote node.
- 8-12. (Canceled)
13. (Currently amended) ~~The An apparatus of claim 12 comprising; wherein the processor and logic executable thereon to isolate the debug node from the messaging~~

~~service of the instance of application servers further comprises a processor and logic
executable thereon to~~

a development environment to debug a remote application; and

a processor and logic executable thereon to:

start a debug node, wherein the debug node is one of a plurality of nodes

within a remote instance of application servers;

isolate the debug node from a messaging service of the instance of

application servers by:

removing the debug node from a broadcast destination list of
the instance;

instructing the debug node to transition to a debugging state;

and

accessing a debug port of the debug node to start a
debugging session[.];

isolate the debug node from a load-balancing mechanism of the instance
of application servers;

debug an application on the debug node; and

stop the debug node.

14. (Original) The apparatus of claim 13, wherein the processor and logic
executable thereon to debug the application on the debug node comprises a processor
and logic executable thereon to

debug a Java-based application executing on a Java virtual machine of the debug node.

15. (Currently amended) The apparatus of claim ~~[[12]]~~ 13, wherein the processor and logic executable thereon to stop the debug node comprises a processor and logic executable thereon to

end a debugging session between the apparatus and the debug node; and
disable the debug node.

16-17. (Canceled)

18. (Currently amended) ~~The~~ A system of claim 17 comprising:

a means for starting a debug node from a remote node, wherein the debug node is one of a plurality of nodes within an instance of application servers;

a means for isolating the debug node from a load-balancing mechanism of the instance of application servers;

~~, wherein the~~ a means for isolating the debug node from [[the]] a messaging service of the instance of application servers further comprises comprising:

a means for removing the debug node from a broadcast destination list of
the instance;

a means for instructing the debug node to transition to a debugging state;
and

a means for accessing a debug port of the debug node to start a

debugging session[.] ;

a means for debugging an application on the debug node from the remote node;

and

a means for stopping the debug node from the remote node.

19. (Currently amended) The system of claim [[17]] 18, wherein the means for debugging the application on the debug node from the remote node comprises:

a means for debugging a Web application on the debug node.

20. (Original) The system of claim 19, wherein the means for debugging the Web application comprises:

a means for starting a Web browser on the remote node to interact with the Web application; and

a means for receiving a debug notification from the debug port of the debug node.

21-22. (Canceled)

23. (Currently amended) [[The]] An article of manufacture ~~of claim 24~~ comprising:

a computer-readable medium providing, wherein the instructions that, when executed by [[the]] an apparatus, cause the apparatus to

start a debug node from a remote node, wherein the debug node is one of a plurality of nodes within an instance of application servers;

isolate the debug node from a load-balancing mechanism of the instance of application servers;

isolate the debug node from ~~[[the]]~~ a messaging service of the instance of application servers, which further cause the apparatus to

remove the debug node from a broadcast destination list of the instance;

instruct the debug node to transition to a debugging state; ~~and~~

access a debug port of the debug node to start a debugging session~~[[.]]~~ ;

debug an application on the debug node from the remote node; and

stop the debug node from the remote node.

24. (Currently amended) The article of manufacture of claim ~~[[21]]~~ 23, wherein the instructions that, when executed by the apparatus, cause the apparatus to debug the application on the debug node from the remote node cause the apparatus to debug a Web application on the debug node.

25. (Original) The article of manufacture of claim 24, wherein the instructions that, when executed by the apparatus, cause the apparatus to debug the Web application on the debug node cause the apparatus to

start a Web browser on the remote node to interact with the Web application; and receive a debug notification from the debug port of the debug node.

26. (Currently amended) The article of manufacture of claim ~~[[21]]~~ 23, wherein the instructions that, when executed by the apparatus, cause the apparatus to stop the debug node from the remote node cause the apparatus to

end the debugging session; and

disable the debug node from the remote node.